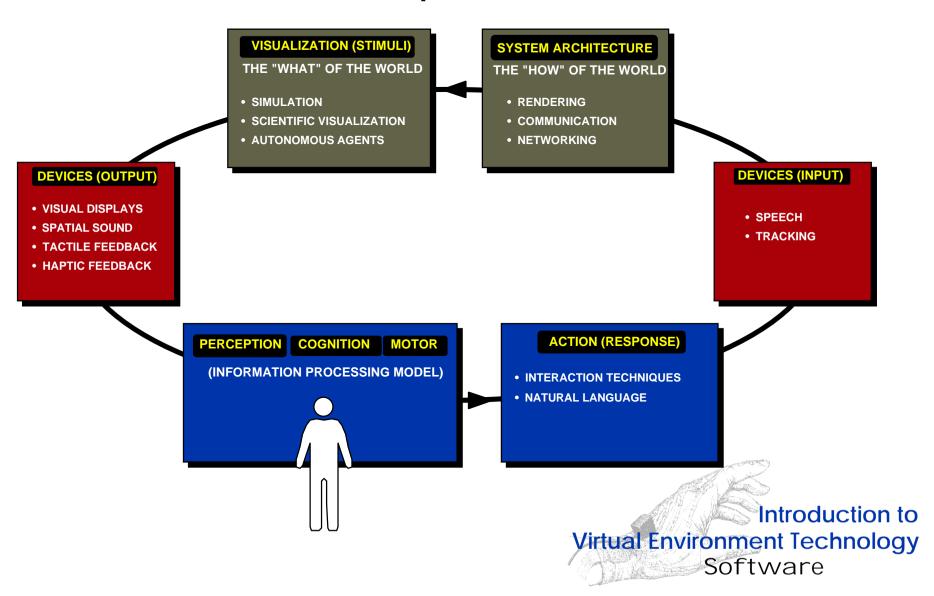
Overview

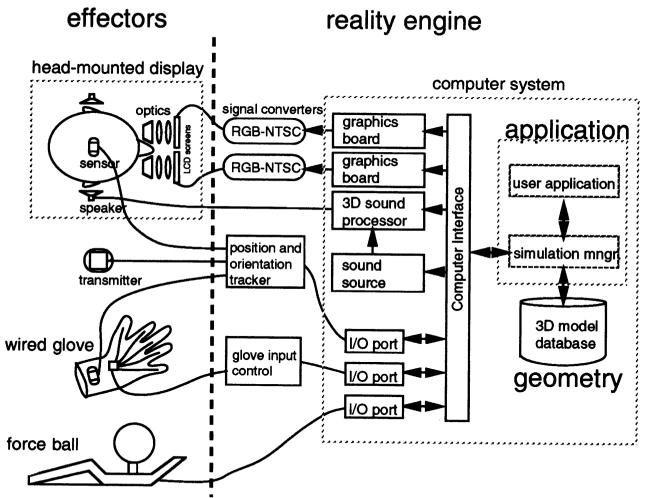
- Conceptual structure
- Software models
- Networking



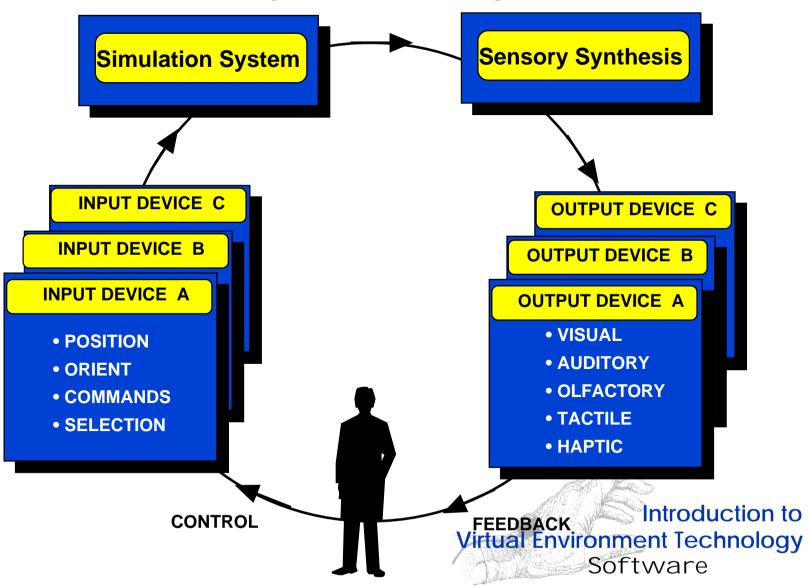
Conceptual Model



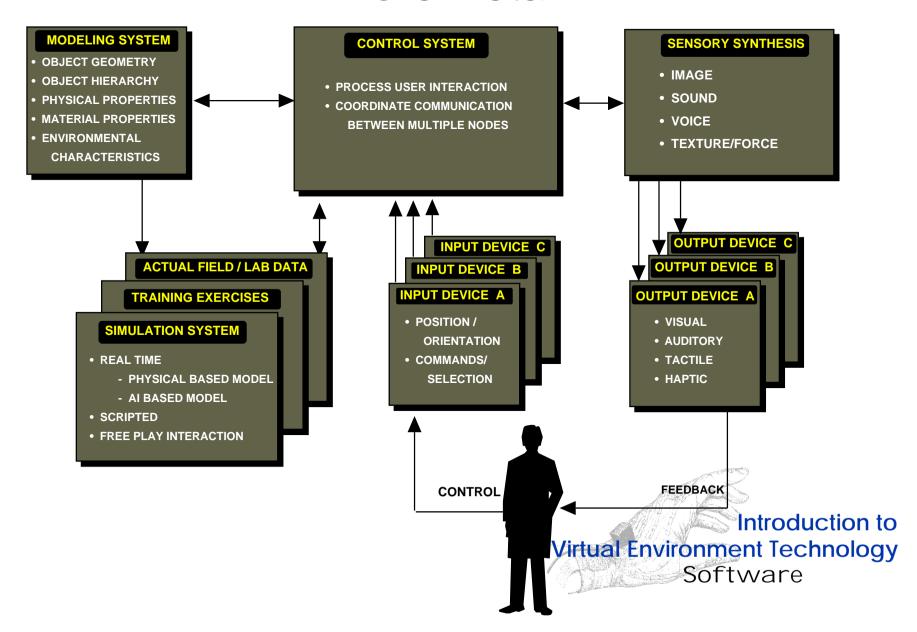
System Components



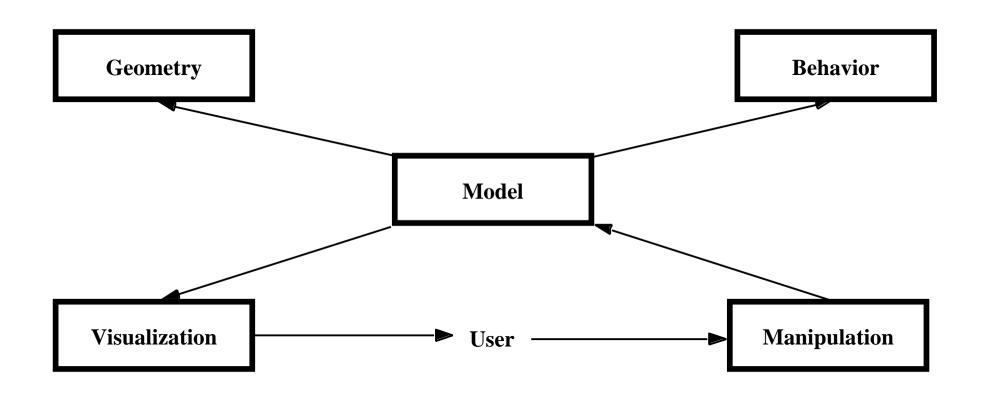
Simple I/O Loop



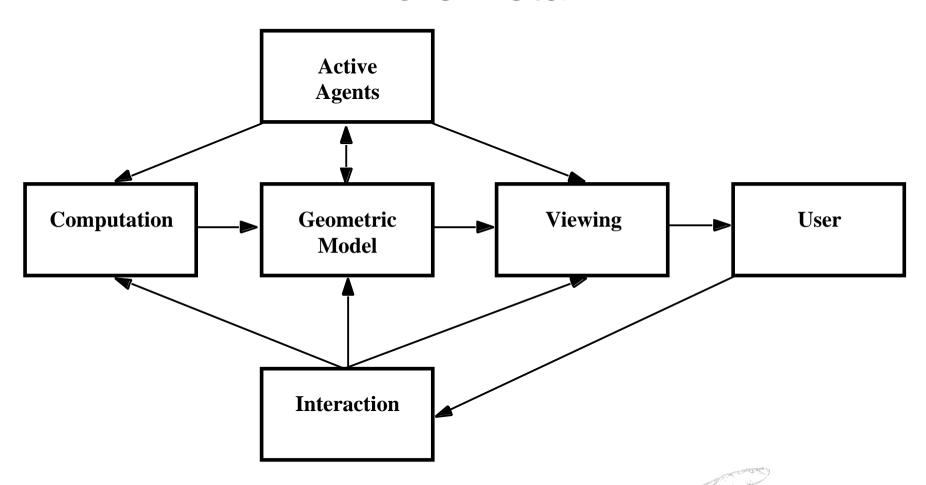
More Detail



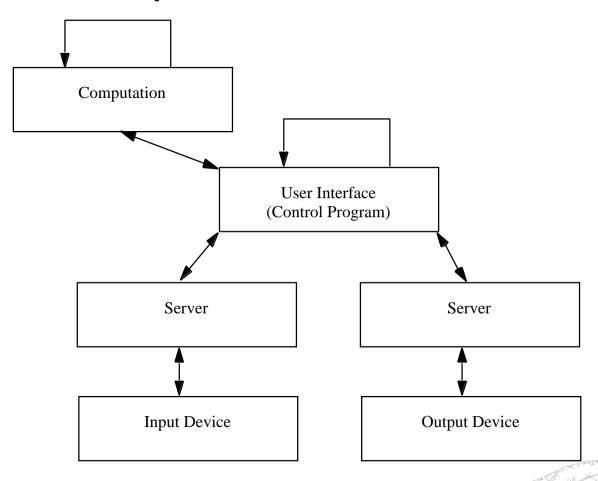
Artificial Reality Metaphor



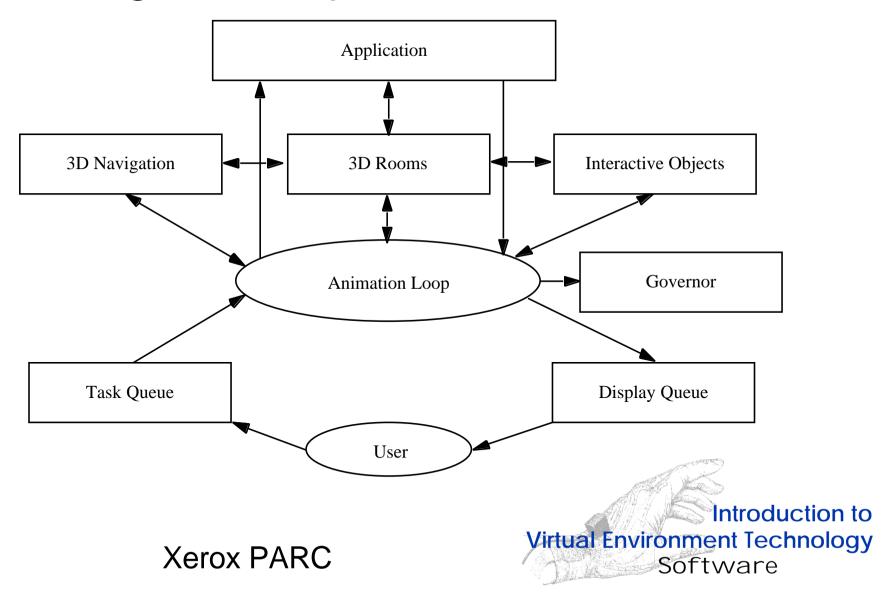
More Detail



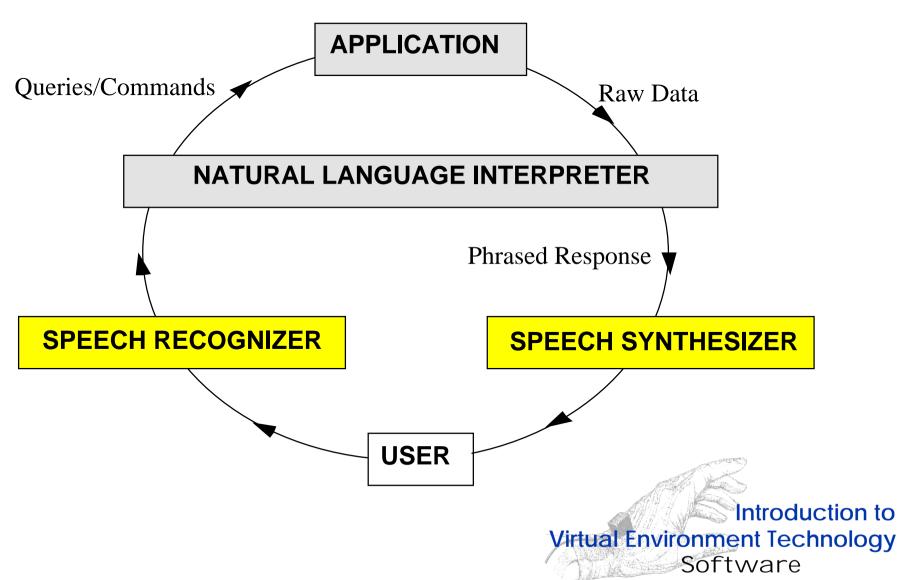
Decoupled Simulation Model



Cognitive Coprocessor Architecture



Natural Language



Networking

- Multiplayer issues
 - DIS/HLA
 - Dead-reckoning algorithms
- Data Sharing
 - VRML
- Streaming audio/video
 - Shared experience



Other Issues

- Multimodal interaction/feedback
- Line-of-sight culling
- Interaction techniques
 - Is there any advancement here?
 - How do we generalize?
 - Selection, position, orientation, path, quantify, text
- Dynamic environments
- Expression in the interface

